

Environmental Protection Agency

2200 Churchill Road, Springfield, Illinois 62761

RECEIVED

APPLICATION FOR PERMIT RENEWAL/OPERATING PERMIT

DECEMBER 17, 1981

DEC 21 1981

ARROW GEAR CO
2301 CURTISS
DOWNERS GROVE

IEPA-DAPC-SPFLD

IL 60515

ATTENTION: JAMES J CERVINKA

APPLICATION NO: 73060221
ID NUMBER: 043030A3G GEAR MFG O
OPERATION OF:
GEAR MANUFACTURING
LOCATION:
ARROW GEAR CO
2301 CURTISS
DOWNERS GROVE

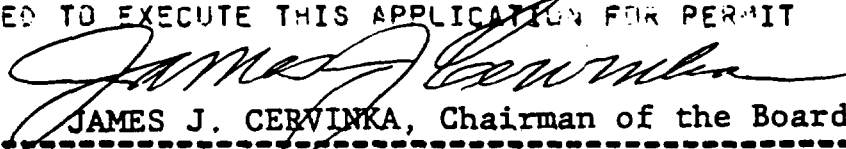
THE ABOVE REFERENCED OPERATING PERMIT WILL EXPIRE ON JUNE 19, 1982. THE AGENCY RECOMMENDS THAT YOU APPLY FOR A RENEWAL OF THIS OPERATING PERMIT AT LEAST NINETY (90) DAYS PRIOR TO ITS EXPIRATION.

IF YOUR OPERATION IS UNCHANGED, YOU MAY RENEW YOUR PERMIT BY SIGNING IN THE SPACE PROVIDED BELOW, KEEPING ONE COPY FOR YOUR RECORDS, AND RETURNING THIS CORRESPONDENCE TO THE AGENCY. WHEN DATED AND SIGNED BY THE AGENCY THIS APPLICATION WILL BE RETURNED TO YOU AND WILL BE YOUR PERMIT.

IF THERE HAS BEEN A CHANGE OF OWNERSHIP OR ADDRESS, PLEASE INDICATE THIS BY CORRECTING THE ABOVE INFORMATION. IF YOUR OPERATION HAS CHANGED FROM THAT DESCRIBED IN THE APPLICATION FILED WITH THE AGENCY, THEN YOU MUST USE APPROPRIATE FORMS TO DESCRIBE ALL CHANGES AS PART OF THE APPLICATION. (SEE ENCLOSED 'REQUEST FOR PERMIT FORMS' APC-209).

IF THE OPERATION HAS BEEN PERMANENTLY DISCONTINUED OR INCLUDED IN ANOTHER PERMIT, PLEASE SEND A LETTER TO THE AGENCY WITHDRAWING THIS PERMIT. IF THE OPERATION HAS BEEN INCLUDED IN ANOTHER PERMIT, PLEASE PROVIDE THE PERMIT NUMBER OF THE NEW PERMIT(S) IN YOUR WITHDRAWAL LETTER.

I CERTIFY THAT THE ORIGINAL PERMIT INFORMATION REMAINS TRUE, CORRECT, AND CURRENT AND THAT I AM AUTHORIZED TO EXECUTE THIS APPLICATION FOR PERMIT RENEWAL.



JAMES J. CERVINKA, Chairman of the Board

SIGNATURE

DATE


PRINTED NAME AND TITLE OF SIGNER

12/16/81

FOR AGENCY USE ONLY

PERMIT EXPIRATION DATE: DEC 21, 1986

PERMIT IS GRANTED TO OPERATE THE ABOVE REFERENCED EQUIPMENT SUBJECT TO STANDARD CONDITIONS ATTACHED HERETO.


BHARAT MATHUR, P.E.
MANAGER, PERMIT SECTION
DIVISION OF AIR POLLUTION CONTROL



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

STANDARD CONDITIONS
FOR
OPERATING PERMITS

1. The issuance of an operating permit by the Agency does not release the permittee from compliance with other applicable statutes of the State of Illinois or with applicable local laws, regulations or ordinances.
2. The Agency has granted this permit based upon the information submitted by the permittee in the permit application. Any misinformation, false statement of misrepresentation in the permittee's application shall be grounds for revocation under Rule 103(f), Chapter 2, Part 1 of the Illinois Pollution Control Board Rules and Regulations.
3. The permittee shall not authorize, cause, direct or allow any modification, as defined in Rule 101, Chapter 2, Part 1 of the Illinois Pollution Control Board Rules and Regulations, of equipment, operations or practices which are reflected in the permit application as submitted unless a new application or request for revision of existing application is filed with the Agency at least ninety (90) days prior to the time of such modification and unless a new permit or revision of existing permit is granted for such modification.
4. At any time during normal working and/or operating hours, any agent of the Environmental Protection Agency shall have the right and authority to inspect the equipment and operations described by the permit application. Permittee agrees to allow such inspections. This authority:
 - (a) shall not in any manner affect the title to the premises upon which such equipment is located.
 - (b) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of, the design, installation, maintenance, or operation of such equipment, and
 - (c) in no manner implies or suggests that the Environmental Protection Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of such equipment.
5. The equipment covered by this permit shall be operated in such a manner that the disposal of air contaminants collected by the equipment shall not cause a violation of the Environmental Protection Act or Regulations promulgated thereunder.
6. The permittee shall maintain the equipment in such a manner that the performance of such equipment shall not cause a violation of the Environmental Protection Act or Regulations promulgated thereunder.
7. The permittee shall maintain a maintenance record on the premises for each item of air pollution control equipment. This record shall be available to any agent of the Environmental Protection Agency at any time during normal working and/or operating hours. This record shall show, as a minimum, the:
 - (a) date of performance of, and nature of, preventative maintenance, and
 - (b) date of any malfunction or breakdown and the nature of repairs to, or corrective measures performed to maintaining the performance of the equipment.
8. The permittee shall submit annually, beginning one year from the date of this operating permit, an "Annual Emission Report," form APC-208, as required by Rule 107 of the PCB Regs., Chapter 2, Part 1. (Note: If the permittee has other operating permits for this facility, he may submit the "Annual Emission Report" for all such permits in a single annual submission.)
9. If the permit application contains a "Compliance Program and Project Completion Schedule," form APC-202, the permittee shall submit a "Project Completion Report" form APC-271, within thirty (30) days of any date specified in the "Compliance Program and Project Completion Schedule" or at six month intervals, whichever is more frequent.
10. If the permit contains permission to operate in excess of applicable emission standards during startup, the permittee shall keep a record of each startup, including information as to the length of time that such operation exceeded applicable standards and limitations, and a detailed explanation of why such startup was necessary.
11. If the permit contains permission to operate in excess of applicable emission standards during malfunctions or breakdowns, the permittee shall immediately notify the Agency's regional Field Operations Section office by telegram upon occurrence of malfunction or breakdown, and comply with all directives of the regional office with respect to the incident. (See map on reverse side.)

The permittee shall maintain records of such malfunctions or breakdowns. These records shall include: a full and detailed explanation of why such breakdown occurred; the length of time during which operation continued under conditions and malfunction or breakdown; the measures the permittee used to reduce the length of time of such operation; and the steps the permittee will take to prevent future similar malfunctions or breakdowns. This record shall be available to any agent of the Environmental Protection Agency at any time during normal working and/or operating hours.

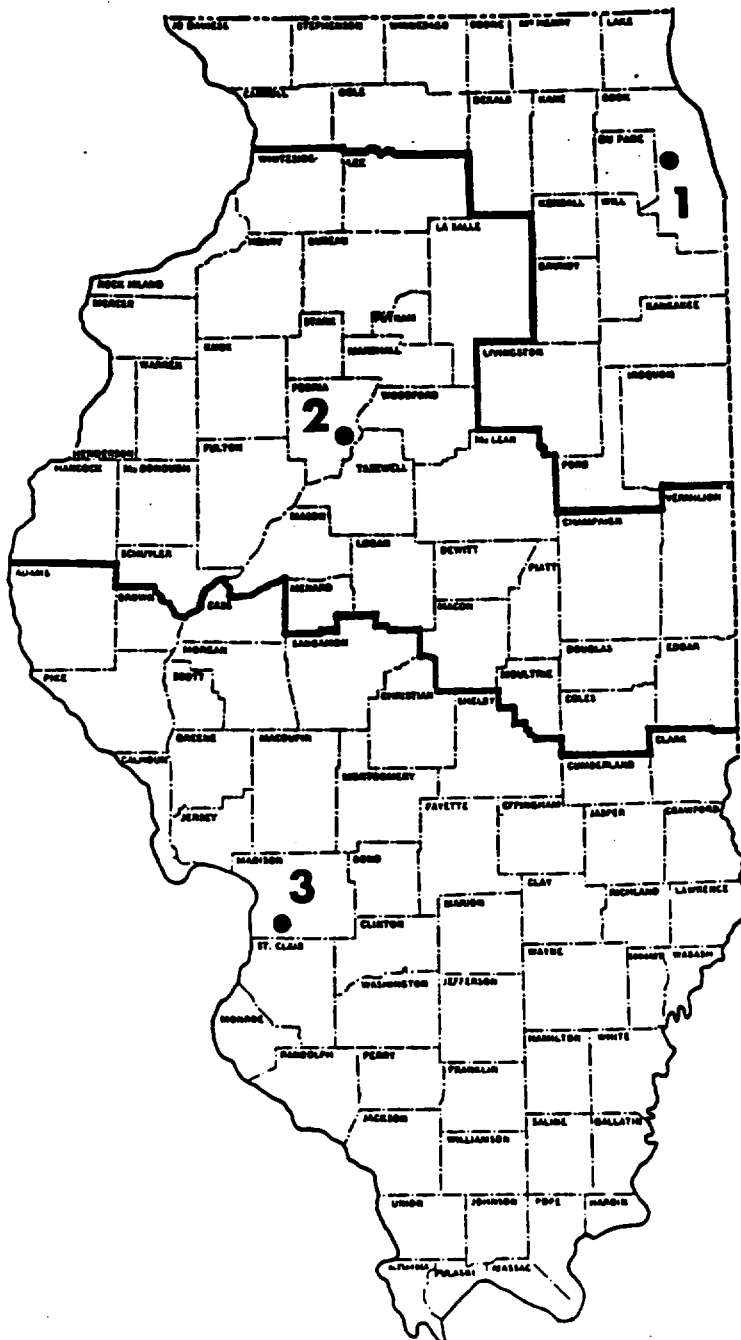
The permittee shall not continue operation during malfunction or breakdown beyond such time as is necessary to prevent injury to persons or severe damage to equipment or to provide essential services.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
FIELD OPERATIONS SECTION

REGION 1
INTERCONTINENTAL CENTER
SUITE 1205 - 1701 SO. 1ST AVE.
MAYWOOD, ILLINOIS 60153
(312) 345-9780

REGION 2
5415 NORTH UNIVERSITY
PEORIA, ILLINOIS 61614
(309) 691-2200

REGION 3
115A WEST MAIN
COLLINSVILLE, ILLINOIS 62234
(618) 345-0700





STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter III 1/2, Section 1-2. Disclosure of this information is required. Failure to disclose may result in a civil penalty up to \$10,000.00 and an additional civil penalty up to \$1,000.00 for each day the failure continues, or a fine up to \$1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

ANNUAL EMISSION REPORT

FOR AGENCY USE ONLY

| | | | |
|------------------------------|---------------|--|---|
| 1a. NAME OF OWNER: | | 2a. NAME OF CORPORATE DIVISION OR PLANT (IF DIFFERENT FROM OWNER): | |
| 1b. TELEPHONE NUMBER: | | 2b. STREET ADDRESS OF EMISSION SOURCE: | |
| 1c. STREET ADDRESS OF OWNER: | | 2c. CITY OF EMISSION SOURCE: | 2d. TELEPHONE NUMBER: |
| 1d. CITY: | | 2e. COUNTY: | 2f. LOCATED WITHIN CITY LIMITS: <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 1e. STATE: | 1f. ZIP CODE: | 2g. TOWNSHIP: | 2h. ZIP CODE: |

PERMIT INFORMATION AND REFERENCE

| 3. APPLICATION NUMBER | IDENTIFICATION NUMBER | IS THE DATA AND INFORMATION PREVIOUSLY SUBMITTED TRUE, CORRECT, CURRENT AND COMPLETE? | DURING THIS REPORTING PERIOD MAXIMUM EMISSIONS FROM THIS OPERATION HAVE: | | | PERCENTAGE BY WHICH EMISSIONS HAVE IN- CREASED OR DECREASED |
|--------------------------|-----------------------|---|--|----------------------|-----------|---|
| | | | INCREASED | REMAINED THE SAME | DECREASED | |
| | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | % |
| | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | % |
| | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | % |
| | | <input type="checkbox"/> YES <input type="checkbox"/> NO | | | | % |

4. PERIOD COVERED BY THIS REPORT: FROM _____ TO _____

5. THE ABOVE INFORMATION IS SUBMITTED IN ACCORDANCE WITH PCB REGS., CHAPTER 2, RULE 107(b) AS ADOPTED APRIL 14, 1972, AND THE INFORMATION IS TRUE, CORRECT, COMPLETE, AND CURRENT. THE SIGNATURE MUST BE THAT OF THE PERSON AUTHORIZED TO EXECUTE AN OPERATING PERMIT APPLICATION.

AUTHORIZED SIGNATURE _____

A COPY OF THIS FORM MUST BE SUBMITTED FOR EACH PERMIT APPLICATION LISTED ABOVE.

THIS DOCUMENT IS NOT A PERMIT APPLICATION AND IS SOLELY FOR STATISTICAL AND INFORMATIONAL PURPOSES.

IF THE INFORMATION CONTAINED IN A LISTED PERMIT APPLICATION IS NO LONGER CORRECT, MATERIAL CORRECTING THE APPLICATION SHOULD BE SENT TO THE PERMIT SECTION OF THE DIVISION OF AIR POLLUTION CONTROL. IF THE CORRECTION IS DUE TO A MODIFICATION (INCREASE IN EMISSIONS) OR NEW EQUIPMENT, THIS MATERIAL SHOULD BE SUBMITTED AS A CONSTRUCTION PERMIT APPLICATION. OTHERWISE A LETTER EXPLAINING THE CORRECTION WILL BE SUFFICIENT.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL

SPECIAL INSTRUCTIONS FOR APPLYING FOR
RENEWAL OF AN OPERATING PERMIT

The accompanying notification form references an operating permit issued by the Illinois Environmental Protection Agency, Division of Air Pollution Control. This operating permit will expire in approximately 180 days. If you have other permits, separate forms will be sent to you approximately 180 days before their expiration. The Agency recommends that you apply for renewal of an operating permit at least 90 days prior to its expiration.

An operation is considered to be changed if the equipment is used in a different manner or has been physically changed so as to increase emissions. The simplest example of a change is the addition of a new emission source or the removal of air pollution control equipment. Other examples of changes are ducting another source to a control, reformulating hydrocarbon solvents, increasing the hourly operating rate, replacing one piece of control equipment with another, switching fuels, moving a facility to a new location, or adding a new process. Activities not considered to be changes are maintenance, replacement of equipment parts, equipment repair, increase in operating hours, or operation in a manner described in the original permit application.

If your operation has changed and is not as described in the application on file with the Agency, then you must describe all changes in your operation as part of your renewal application. To assist you in preparing your application a "REQUEST FOR PERMIT FORMS" - APC-209 is enclosed.

If your operation is unchanged from that which is described in the application on file with the Agency, the enclosed computer generated form, on Agency letter head and addressed to your facility, may serve as your operating permit renewal application. To use this form, sign the top portion. Retain a copy for your records, and return the original and other copies to the Agency. If your application is found acceptable, a copy of the form signed by the Agency, will be returned to you. This signed copy will constitute your new operating permit.

If the operation has been discontinued, or included in another permit, please send a letter to the Agency, withdrawing your permit. If the operation has been included in another permit, please include the number of the new permit in your withdrawal letter. Do not withdraw your permit if the operation is temporarily inactive, or if future use is anticipated.

If you have questions about whether your operation has changed or any other aspect of the renewal process, contact the Permit Section, Division of Air Pollution Control, Illinois Environmental Protection Agency, 2200 Churchill Road, Springfield, Illinois 62706, (217/782-2113)



STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

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|--|--|
| REQUEST FOR PERMIT FORMS | SEND FORMS TO: |
| RETURN REQUEST FOR PERMIT FORMS TO THE ABOVE ADDRESS | YOUR MAILING ADDRESS (ATTACH MAILING LABEL OR TYPE EXACT ADDRESS) |

| <u>GENERAL APPLICATION FORMS</u> | NO. OF COPIES REQUIRED |
|--|---------------------------|
| APPLICATION FOR A PERMIT CONSTRUCT OPERATE | APC-200 _____ |
| APPLICATION FOR RENEWAL OF AN OPERATING PERMIT | APC-205 _____ |
| INFORMATION RELATIVE TO THE DEMOLITION OF A STRUCTURE CONTAINING ASBESTOS MATERIAL | APC-211 _____ |
| APPLICATION FOR ASBESTOS PERMIT | APC-212 _____ |

| <u>INSTRUCTIONS AND INQUIRY</u> | NO. OF COPIES REQUIRED |
|---|---------------------------|
| GENERAL INSTRUCTIONS FOR PERMIT APPLICATIONS | APC-201 _____ |
| PRELIMINARY INQUIRY FOR A PERMIT | APC-206 _____ |
| REQUEST FOR PERMIT FORMS | APC-209 _____ |

| <u>EPISODE ACTION FORMS</u> | NO. OF COPIES REQUESTED |
|---|----------------------------|
| GUIDELINES FOR THE COMPLETION OF AIR POLLUTION EPISODE ACTION PLANS | APC-162 _____ |
| GUIDELINES FOR THE COMPLETION OF AIR POLLUTION EPISODE ACTION PLANS FOR GRAIN HANDLING OPERATIONS | APC-239 _____ |
| AIR POLLUTION EPISODE ACTION PLAN | APC-100 _____ |

| <u>REPORTING FORMS</u> | NO. OF COPIES REQUIRED |
|---------------------------|---------------------------|
| ANNUAL EMISSION REPORT | APC-208 _____ |
| PROJECT COMPLETION REPORT | APC-271 _____ |

| <u>INFORMATION FORMS</u> | NO. OF COPIES REQUESTED |
|---|----------------------------|
| DATA AND INFORMATION INCORPORATION BY REFERENCE | APC-210 _____ |
| DATA AND INFORMATION PROCESS EMISSION SOURCE | APC-220 _____ |
| DATA AND INFORMATION FUEL COMBUSTION EMISSION SOURCE | APC-240 _____ |
| DATA AND INFORMATION INCINERATOR | APC-250 _____ |
| DATA AND INFORMATION AIR POLLUTION CONTROL EQUIPMENT | APC-260 _____ |
| GENERAL INFORMATION GRAIN-HANDLING AND GRAIN-DRYING OPERATIONS | APC-229 _____ |
| DATA AND INFORMATION GRAIN-HANDLING AND GRAIN-DRYING OPERATIONS | APC-230 _____ |
| DATA AND INFORMATION CONCRETE, ASPHALT, OR AGGREGATE CRUSHING PLANT | APC-234 _____ |
| ----- | |
| ADDENDUM L DISPOSITION OF WASTE MATERIALS | APC-103 _____ |
| ADDENDUM W WASTEWATER TREATMENT FROM WET COLLECTORS | APC-104 _____ |
| PROCESS EMISSION SOURCE ADDENDUM REACTOR, DRUM TOWER, HEAT EXCHANGER | APC-231 _____ |
| PROCESS EMISSION SOURCE ADDENDUM TANK | APC-232 _____ |
| ----- | |
| COMPLIANCE PROGRAM AND PROJECT COMPLETION SCHEDULE | APC-202 _____ |
| ----- | |
| OPERATION DURING STARTUP | APC-203 _____ |
| ----- | |
| OPERATION DURING MALFUNCTION AND BREAKDOWN | APC-204 _____ |

| | |
|----------------------------------|-------|
| RULES AND REGULATIONS (AIR) | _____ |
| THE ENVIRONMENTAL PROTECTION ACT | _____ |



PRELIMINARY INQUIRY FOR AN AIR POLLUTION PERMIT

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF AIR POLLUTION CONTROL
2200 CHURCHILL ROAD
SPRINGFIELD, ILLINOIS 62706

The Illinois Environmental Protection Agency is involved in a program to improve our environment. The Division of Air Pollution Control (a Division of the Environmental Protection Agency) administers a fact-finding and action program for cleaner air. This program requires permits for most new and existing sources capable of polluting the air.

This preliminary inquiry form has been prepared to help you establish communications with the Division relative to the permit program. If you provide the Division with the information requested below, then the Division can advise you of the forms and procedures required to obtain an air pollution permit.

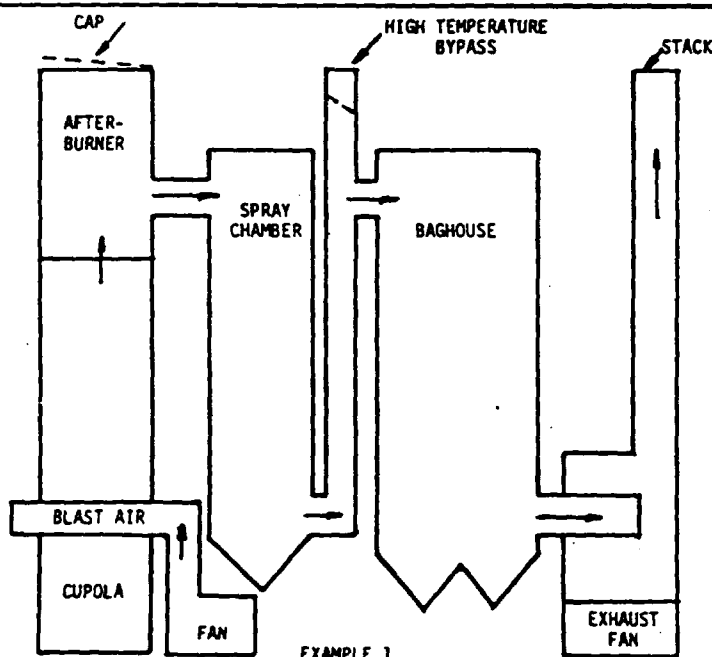
The accuracy of the Division's response to this inquiry is dependent upon the clarity and completeness of the information you provide. Since no record of this correspondence will be retained by the Agency, your response must be self contained.

1. Please provide the name and mailing address to whom our response should be mailed.
2. Please provide a labeled diagram of your process or operation. In preparing such a diagram show each emission source and each item of air pollution control equipment and any other item of equipment which can affect the emission of air contaminants. Draw in arrows showing the direction of product and gas flow. Identify each item of equipment and each stack or vent by name or by using symbols with appropriate key to their meaning. You may have more than one source of air pollution. It may be easier to show each source and any related air pollution control system as a separate increment on a separate diagram. In any case, please identify each of your systems or increments. If they are interconnected, show where and how they relate to each other.

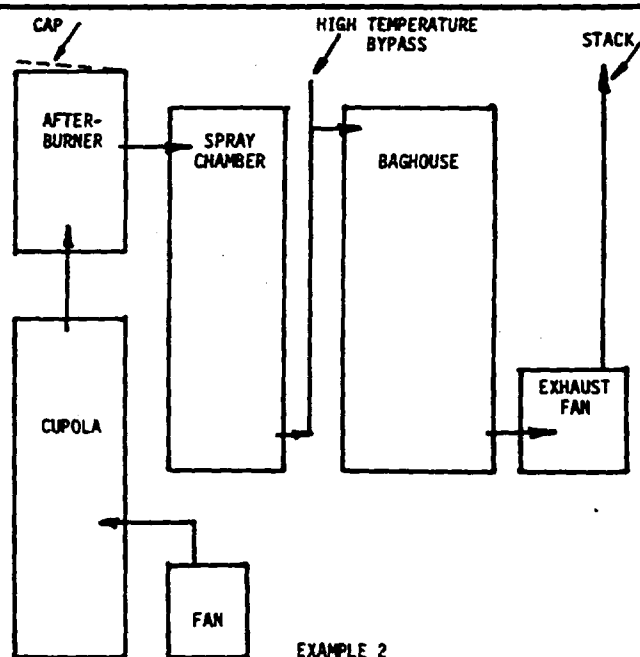
EXAMPLE

To further clarify the type of labeled diagram needed, we have included on this form examples of a labeled diagram of a process. Example #1 below is a pictorial diagram of an iron-melting operation which consists of a cupola and a method for removing most of the resulting air pollutants. In this example the air pollution control system consists of an afterburner, to burn the carbon monoxide, and a spray chamber and bag collector to control the solid particles emitted by the cupola. Example #2 is an alternate method of diagramming this same process.

Your response to this Preliminary Inquiry for an air pollution permit will not be considered an application for a permit. Our response is not intended to be, nor should it be construed as, a waiver or release of any rights of the Agency of any kind whatsoever, or any cause of action which has or may arise.



EXAMPLE 1
(PICTORIAL DIAGRAM)



EXAMPLE 2
(BLOCK DIAGRAM)

Send all correspondence to:

State of Illinois
Environmental Protection Agency
Division of Air Pollution Control
Permit Section
2200 Churchill Road
Springfield, Illinois 62706